

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: December 8, 2005

Inspector: Don Ukers and Brian Sakidovitch

Location: Transition Stations: Hoyts Hill, Archers Lane, Norwalk Junction

Storm/

Rain Event: Very little significant precipitation has been recorded since the last inspection with 0.11" in the form of snow/freezing rain on 12/4 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<p>- Hoyts Hill: Access is gained off Hoyts Hill Road. Ruts and erosion were noted beyond the placed stone at the access point last week due to traffic out of the station. 12/01-12/8/05.</p> <p>- Archers Lane: - All extraneous boulders and stone on site have been hauled away. The upgradient access road is complete. 12/8/05.</p> <p>- Stone was being placed along the property line on the access into site as per an adjacent land owner's request. 12/8/05.</p> <p>- Norwalk Junction: A gravel access road is in place off of Route 7. Sediment tracking was not noted. 12/01/05.</p> <p>- Trenching was occurring along the access road and the new drainage way is being installed. 12/1/05</p>	<p>- The area is now snow covered but smooth out ruts and install additional stone along this portion. Large boulders could also be installed here to designate boundaries. 12/8/05.</p> <p>- None at this time. 12/8/05.</p> <p>- None at this time. 12/8/05</p> <p>- Continue to monitor sediment tracking issues and sweep streets if necessary. 12/01/05.</p> <p>- None at this time. 12/01/05</p>
Foundation construction	- The Hoyts Hill station yard has been backfilled and brought to grade. Final grades are not complete along the	- None at this time. 12/8/05.

Areas of Inspection	Observation	Recommended Action
Foundation construction continued	<p>wetland edge due to future work here. 11/17-12/8/05.</p> <p>- Additional work may be necessary on the outlet/dissipater pads as erosive gullies continue and appear to have worsened. 12/01-12/8/05.</p> <p>-At Archers Lane extraneous boulders and stone have been removed. Stone leveling was ongoing for the foundation footings for the retaining wall. 12/8/05.</p> <p>- Stone walls were being installed along the property line as requested by an abutter as well as internal to the site along the lower access road. 12/8/05</p> <p>- An engineered stone wall down the access road slope was also noted. 12/8/05</p> <p>- Pole structure foundation is ongoing adjacent to the yard. 12/8/05</p> <p>-At Norwalk Junction, trenching was occurring for the installation of the drainage pipe. The swale is in place and the outlet was installed with riprap placed along the slope. Stone is being placed at the swale adjacent to the roadway 12/8/05.</p>	<p>-The pads may need to be extended based on the noted erosion issues. See erosion control section. 12/01-12/8/05.</p> <p>-None at this time. 12/8/05</p> <p>-None at this time. 12/8/05</p> <p>-None at this time. 12/8/05</p> <p>- See erosion control section for more information 12/8/05</p>
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<p>-Hoyts Hill: The majority of the perimeter silt fence remains in good condition and water was seen running clear through the barrier. 12/8/05. A small amount of sediment had filtered through the fence as of a few weeks ago-continue to monitor. 12/01-12/8/05.</p>	<p>- Continue to monitor the area and be proactive in maintenance of the erosion controls, especially in areas with wetland immediately adjacent. 12/8/05.</p> <p>- Gullies should be repaired</p>

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	<ul style="list-style-type: none"> - Erosive gullies were still present along both the northern and southern slopes under the snow cover. 12/8/05 - The gullies have caused sediment to deposit all along the base of slope. 10/27-12/8/05. -The gullies appear to begin at the outlet pads. It may be necessary to extend the pads since they are not reducing velocity appropriately. 11/02-12/8/05. - Archers Lane: Monitor stormwater run-off velocity off the engineered slope. This area is steep and water used to collect at the base at the silt fence. 12/8/05. 	<p>and a stronger method of stabilization, such as erosion control mats, should be considered if the grass cannot stabilize before the ground freezes. 12/8/05.</p> <p>-Investigate whether extension of the stone pad would help the situation and restore the erosion caused here. Contractors were discussing placing haybales at the outlets here. This may not be enough structure but it can be attempted. 12/8/05.</p> <p>- Continue to monitor this area, especially after significant rain events. This is where sediment had previously collected. 12/8/05.</p>
	<ul style="list-style-type: none"> - Norwalk Junction: The perimeter erosion controls seem mostly in place around the edge of the disturbed site. 12/8/05. -We need to confirm whether the cleared/disturbed soils noted outside the silt fence adjacent to the wetland are still present or if they have been restored.12/1-12/8/05 - Small stockpiles of stone and soil were noted but remain internal to the site. 12/8/05 - While the pipe is being installed, place a haybale at the outlet until the drainage is completed and stabilized. 12/8/05 	<p>-Maintain erosion controls as long as there is disturbed soil/work on site, especially due to the proximity of the river and wetlands. 12/8/05</p> <p>- This newly disturbed area adjacent to the river should be mulched or erosion controls should be extended to encompass it if not already done. 12/1-12/8/05.</p> <p>- Watch for any soil migration towards the drainage swale. 12/8/05</p> <p>-Monitor and maintain erosion controls at the outlet pipe. 12/1-12/8/05.</p>
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> - Hoyts Hill: As part of the transition station, a small area of wetland was cleared and altered. The outer silt fence is still up as a work limit. 	<p>-Continue to monitor. In general, keep all equipment and materials out of wetlands not to be disturbed and keep controls in good repair. Work</p>

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	<p>Sediment is accumulating along the fence from the erosion but water was noted running clear through the fence in this area. 12/8/05.</p> <p>-Archers Lane: No immediate wetland area concerns were noted. Watch run-off velocity down the completed slopes and walls. 12/8/05.</p> <p>- Norwalk Junction: Wetlands associated with the Norwalk River are located immediately adjacent to the site but the standing water here appeared to be clear with erosion controls well installed. The exception is the bare area noted. Flooding may be an issue during extended periods of rain. 11/23/05- 12/8/05.</p> <p>- The outlet of the drainage pipe is at the headwall of the wetland area. Riprap is in place. 12/8/05</p>	<p>is still proposed through here to connect with the underground facilities. 11/10-12/8/05.</p> <p>-None at this time. 12/8/05.</p> <p>- Maintain perimeter controls during transition station work and extend to encompass the cleared area or restore it. 12/8/05.</p> <p>- Continue to stay within the permitted work and don't encroach into the wetland area. 12/8/05</p>
State species of concern, threatened and endangered species	- No species of concern are located in these areas of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<p>-Hoyts Hill: The slopes and areas surrounding the site had begun to experience noticeable increase in growth before the cold weather but erosion issues continue and will need attention. 11/17-12/8/05.</p> <p>- Archers Lane: The recently cleared access to the ROW was mulched with straw. 12/01-12/8/05.</p> <p>-Additional clearing was noted along the access drive adjacent to a residence. Clearing was done with owner's permission. 12/1/05. A stonewall is now</p>	<p>- It will be difficult to obtain sufficient growth due to the late time of year. An alternative method of stabilization, such as Erosion Control Mats should be considered if necessary. 11/02-12/8/05.</p> <p>-None at this time. 12/8/05.</p> <p>- Attempt to preserve the existing vegetation and continue saving trees where possible, if trimming is sufficient. 12/8/05.</p>

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	being installed. 12/8/05. - Norwalk Junction: Brush piles had been removed along the wetland/ silt fence line but it appears additional vegetation had been cleared in the area, leaving disturbed soil outside the silt fence. 11/23-12/8/05.	- We just need to confirm whether this area was restored or enclosed in silt fence. 12/8/05
Dewatering	-Dewatering was not necessary at Hoyts Hill but erosion resulting from the outlet pipes and slope run-off had worsened before the snow cover. 12/8/05. - No dewatering has been observed at Archers Lane. 12/8/05. - Dewatering has not been observed at Norwalk Junction, however the drainage way is being installed. 12/8/05.	-See Erosion control section. 12/8/05. - None at this time. 12/8/05 - None at this time. 12/8/05
Blasting	- All blasting is complete at Archers Lane. 12/8/05. -Work hauling boulders from the site is complete. 12/8/05	- None at this time 12/8/05.
Spills and Material Storage	-No oil or drip spots were noted during the inspection. 12/8/05.	- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site - Report spills immediately, even if they are being controlled. - Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. Se proper storage for all materials.
Additional Observations		

Next likely scheduled inspection:

Wednesday, December 14, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden for Don Ukers and Brian Sakidovitch



Hoyts Hill Transition Station: View of the site with snow cover, looking along the southern perimeter silt fence. Perimeter controls are still in place. 12/8/05



Photo on the left shows the northern outlet with erosive gullies still visible under the snow. The photo on the right shows the silt fence along the eastern perimeter wetlands. Water was observed running clear through this area. 12/8/05.



Archers Lane: View of the completed upgradient access road into the site. All extraneous rock has been removed and hauled away. 12/8/05.



Both photos show stone leveling in preparation for retaining wall footings. 12/8/05.



View of the access road into the site where stone is being placed along the property line in response to an adjacent landowner's request. 12/8/05



Photo on the left shows stone wall construction at the lower access road to the site. Photo on the right shows an engineered stone wall off the access road. 12/8/05



Norwalk Junction: View of the overall yard with several small stone and soil stockpiles. Stone is being placed in the swale along the access road as part of the new drainage work. 12/8/05



Photo on the left shows the work to install the new drainage way along the access road into the site. Photo on the right shows where the new pipe outlets with stone riprap placed along the slope. A haybale should be placed at the outlet for now until the work is complete and stabilized. 12/8/05